



Europäisches Patentamt  
European Patent Office  
Office européen des brevets

(11) Publication number:

**0 394 971  
A1**

(12)

# EUROPEAN PATENT APPLICATION

(13) Application number: 90107783.4

(14) Int. CL. A61K 31/725, C08B 37/10

(15) Date of filing: 24.04.90

(16) Priority: 24.04.89 US 342055

(17) Date of publication of application:  
31.10.90 Bulletin 90/44

(18) Designated Contracting States:  
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

(19) Applicant: Kabivitrum AB  
Lindhagenegatan 133  
S-112 87 Stockholm(SE)

Applicant: PRESIDENT AND FELLOWS OF  
HARVARD COLLEGE  
University Place, 124 Mount Auburn  
Cambridge, Massachusetts 02138(US)

(20) Inventor: Bergendahl, Karin Helena Louise  
Nora-Torg 13  
S-18234 Danderyd(SE)

Inventor: Johansson Rolf Arne  
Dagstigen 6 B  
S - 14138 Huddinge(SE)

Inventor: Mattson, Jan Christer  
Rinkebyvagen 2  
S - 17237 Sundbyberg(SE)

Inventor: Svan, Carl Magnus Erik  
Leksandavagen 12  
S - 191 71 Sollentuna(SE)

Inventor: Folkman, Moses Judah  
18 Chatham Circle  
Brookline, Massachusetts 02146(US)

Inventor: Budhalter, Judith  
650 Huntington Avenue No. 7C Boston  
Massachusetts 02116(US)

Inventor: D'Amers, Patricia  
80 Jane Road, Newton  
Massachusetts 02158(US)

(21) Representative: Burford, Anthony Frederick  
W.H. Back, Greener & Co. 7 Stone Buildings  
Lincoln's Inn  
London WC2A 3SZ(GB)

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(22) Oligosaccharide-containing inhibitors of endothelial cell growth and angiogenesis.

(23) Novel fractions comprising oligosaccharides having 6 to 8 saccharide units and molecular weights between 1,000 and 2,000 and a sulfur content of less than 9 weight percent, are obtained by depolymerizing heparin or heparan sulfate and fractionating the digest by size and charge. These fractions inhibit capillary endothelial cell proliferation in vitro and are useful in the in vivo inhibition of angiogenesis.

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